

Acquisition Reform Success Story

NAVSTAR Global Positioning System (GPS) Antenna System (GAS-1)

Program Director: Col James Armor
DAC: Lt Gen Roger DeKok
Contractor: Raytheon Cossor Electronics
Limited
Success Story POC: Capt Rene M.
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Program Description

GPS Antenna System-1 (GAS-1) provides airborne platforms with enhanced anti-jam capabilities, allowing access to the GPS signal in a multi-threat electromagnetic environment.

How Streamlining Made a Difference

The GPS Antenna System-1 acquisition aggressively combined NDI and Best Value acquisition approaches into a single innovative performance-based acquisition strategy. The Joint Program Office started under extremely tough constraints: a Congressionally-mandated integration schedule, no development funds, deficient current specifications, unknown performance of current anti-jam avionics, and backward compatibility integration constraints. The GAS-1 Team squarely tackled each of these issues, educating themselves and others involved with the program and introduced SMC to a genuine Best Value approach. Through constant communication with both customers and offerors, the GAS-1 Team ensured the needs (and some desires) of all parties. The result was a contract awarded to Raytheon Cossor Electronics Limited, the first foreign contract awarded at SMC.

Areas of Merit	Current System AE-1/AE-1A & CRPA-2	GAS-1 AE & CRPA
Required Mil-Specs	33	4 (88% reduction)
Required CDRLs	85	22 (74% reduction)
Threat	Single Jammer in Static Environment	Multiple Jammers in Dynamic Environment (>600effectiveness)
Warranty	18 mo/5 Yr, 30 day turn around	10 Yr, 5-day turn around
Average Cost	\$30k	\$20k (33% reduction)

Bottom Line: The GAS-1 program applied acquisition streamlining to itself to exceed customer performance requirements (doing it **Better**), used a NDI approach, shaving years off a full R&D acquisition (doing it **Faster**), and procured a superior anti-jam antenna system at only 67% of the cost of the current system (doing it **Cheaper**).